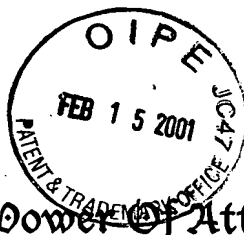


B 12960.3 PV



## Declaration, Power of Attorney and Petition

Page 1 of 3

WE (I) the undersigned inventor(s), hereby declare(s) that :

My residence, post office address and citizenship are as stated below next to my name,

We (I) believe that we are (I am) the original, first, and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

"PROCESS FOR WRITING BRAGG GRATINGS, APPARATUS FOR THE USE OF THIS PROCESS AND BRAGG GRATING DEVICES OBTAINED BY THIS PROCESS"

the specification of which

☐ is attached hereto.

☒ was filed on May 11, 1999

as Application Serial No. 09/700,182

and amended on

☒ was filed as PCT international application

Number PCT/FR99/01119

on May 11, 1999

and was amended under PCT Article 19

on June 30, 2000

RECEIVED  
FEB 23 2001  
IC 2800 MAIL ROOM

We (I) hereby state that we (I) have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We (I) acknowledge the duty to disclose information known to be material to the patentability of this application as defined in Section 1.56 of Title 37 Code of Federal Regulations.

We (I) hereby claim foreign priority benefits under 35 U.S.C. § 119 (a)-(d) or § 365 (b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed. Prior Foreign Application (s)

Application No.	Country	Day/month/Year	Priority Claimed
98 05959	FRANCE	12 MAY 1998	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
_____	_____	_____	<input type="checkbox"/> YES <input type="checkbox"/> NO
_____	_____	_____	<input type="checkbox"/> YES <input type="checkbox"/> NO
_____	_____	_____	<input type="checkbox"/> YES <input type="checkbox"/> NO

We (I) hereby claim the benefit under Title 35, United States Code, § 119 (e) of any United States provisional application(s) listed below.

\_\_\_\_\_  
(Application Number)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Application Number)

\_\_\_\_\_  
(Filing Date)

We (I) hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of prior application and the national or PCT International filing date of this application.

Application Serial No.

Filing Date

Status (pending, patented,  
abandoned)

And we (I) hereby appoint : William L. Mathis, Registration Number 17,337; Robert S. Swecker, Registration Number 19,885; Platon N. Mandros, Registration Number 22,124; Benton S. Duffett Jr., Registration Number 22,030; Norman H. Stepno, Registration Number 22,716; Ronald L. Grudziecki, Registration Number 24,970; Frederick G. Michaud Jr, Registration Number 26,003; Alan E. Kopecki, Registration Number 25,813; Regis E. Slutter, Registration Number 26,999; Samuel C. Miller III, Registration Number 27,360; Robert G. Mukai, Registration Number 28,531; George A. Hovanec, Jr. Registration Number 28,223; James A. Labarre, Registration Number 28,632; E. Joseph Gess, Registration Number 28,510; R. Danny Huntington, Registration Number 27,903; Eric H. Weisblatt, Registration Number 30,505; James W. Peterson, Registration Number 26,057; Teresa Stanek REA, Registration Number 30,427; Robert E. Krebs, Registration Number 25,885; William C. Rowland, Registration Number 30,888; T. Gene Dillahunty, Registration Number 25,423; Patrick C. Keane, Registration Number 32,858; Bruce J. Boggs, Jr. Registration Number 32,344; William H. Benz, Registration Number 25,952; Peter K. Skiff, Registration Number 31,917; Richard J. McGrath, Registration Number 29,195; Matthew L. Schneider, Registration Number 32,814; Michael G. Savage, Registration Number 32,596; Gerald F. Swiss, Registration Number 30,113; Michael J. Ure, Registration Number 33,089; Charles F. Wieland III, Registration Number 33,096; Bruce T. Wieder, Registration Number 33,815; Todd R. Walters, Registration Number 34,040; Ronni S. Jillions, Registration Number 31,979; Harold R. Brown III, Registration Number 36,341; Allen R. Baum, Registration Number 36,086; Steven M. Du Bois, Registration Number 35,023; Brian P. O'Shaughnessy, Registration Number 32,747; Kenneth B. Leffler, Registration Number 36,075 and Fred W. Hathaway, Registration Number 32,236 our (my) attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent Office connected therewith; and we (I) hereby request that all correspondence regarding this application be sent to the firm of BURNS, DOANE, SWECKER & MATHIS LLP, whose post Office Address is : 1737 King Street #400, Alexandria, Virginia 22314-2727.

We (I) declare that all statements made herein of our (my) own knowledge are true and that all statements made on information and belief are believed to be true ; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardise the validity of the application or any patent issuing thereon.

FERDINAND Pierre

\_\_\_\_\_  
NAME OF FIRST SOLE INVENTOR

\_\_\_\_\_  
Signature of Inventor

\_\_\_\_\_  
16 novembre 2000  
Date

Residence : 96 rue des Tartiers de  
la resistance  
73300 HOUILLLES FRANCE

Citizen of : France

Post Office Address : The same as residence

MAGNE Sylvain

NAME OF SECOND INVENTOR

Signature of Inventor

16 novembre 2000

Date

MARTINEZ Christophe

NAME OF THIRD INVENTOR

Signature of Inventor

16 novembre 2000

Date

NAME OF FOURTH INVENTOR

Signature of Inventor

Date

NAME OF FIFTH INVENTOR

Signature of Inventor

Date

Residence : 55 rue Marx Dormoy  
92250 Fontenay-aux-roses FRANCE

Citizen of : FRANCE

Post Office Address : The same as residence

Residence : 33 rue de Paris

91120 Palaiseau  
FRANCE

Citizen of : France

Post Office Address : The same as residence

Residence :

Citizen of :

Post Office Address : The same as residence

Residence :

Citizen of :

Post Office Address : The same as residence

## Assignment Of Application

WHEREAS, I (WE)

FERDINAND Pierre 96, rue des Martyrs de la Résistance 78800 HOUILLES FRANCE

MAGNE Sylvain 55, rue Marx Dormoy 92260 FONTENAY-AUX-ROSES FRANCE

MARTINEZ Christophe 33, rue de Paris 91120 PALAISEAU FRANCE

respectively, have invented certain new and useful improvements in : "PROCESS FOR WRITING BRAGG GRATINGS, APPARATUS FOR THE USE OF THIS PROCESS AND BRAGG GRATING DEVICES OBTAINED BY THIS PROCESS"

for which an application for Letters Patent was executed on  
(Application No. 09/700,182 , filed May 11, 1999 ), and

WHEREAS, COMMISSARIAT A L'ENERGIE ATOMIQUE

(hereinafter referred to as "assignee") having a place of business at :

31-33, rue de la Fédération  
75752 PARIS 15<sup>ème</sup> FRANCE

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries ;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledge, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted thereof in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right , title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issue to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Burns, Doane, Swecker & Mathis LLP of 1737 King Street #400, Alexandria, Virginia 22314-2727 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States patent and trademark office for recordation of this document.

Date : 16 novembre 2000

FERDINAND Pierre

(Signature of Inventor)

Date : 16 novembre 2000

MAGNE Sylvain

(Signature of Inventor)

Date : 16 novembre 2000

MARTINEZ Christophe

(Signature of Inventor)

Date : \_\_\_\_\_

(Signature of Inventor)

Date : \_\_\_\_\_

(Signature of Inventor)

Date : \_\_\_\_\_

(Signature of Inventor)

Date : \_\_\_\_\_

(Signature of Inventor)

Date : \_\_\_\_\_

(Signature of Inventor)

**BURNS, DOANE, SWECKER & MATHIS LLP**  
1737 King Street #400,  
Alexandria, Virginia 22314-2727